

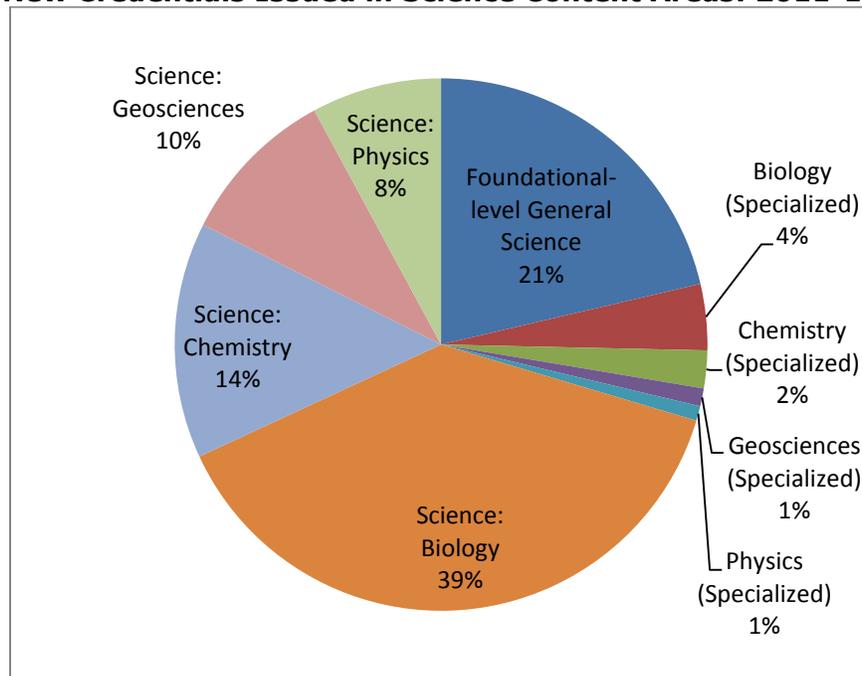


## New Credentials Issued in Science Content Areas: 2011-2012 August 2013

At the state level, more than 8,500 new Single Subject Teaching Credentials were issued in various content areas in 2011-12 with more than 1,500 of those credentials issued in different science content areas. The Single Subject Teaching Credentials issued in various science content areas accounted for nearly one-fifth (18%) of the total Single Subject Teaching Credential content areas issued in 2011-12.

Further analysis indicates that more than two-thirds (70.4%) of the science content areas issued were in one of the four full science content areas (Science: Biological Science, Science: Chemistry, Science: Physics, and Science: Geosciences) that authorize teaching the specific content that falls within their broad science area as well as introductory, integrated, and general science courses in grades K – 12. Among these full science content area authorizations, Biological Science represented the largest content area (39%), followed by Chemistry (14%), Geosciences (10%), and Physics (8%). More than one-fifth (21%) of the new science content areas issued were in Foundational-level General Science, an authorization that was developed in 2009 in response to the need for more teachers authorized to teach general, integrated, and introductory middle school science courses. In contrast, only 8% of the new science content area credentials were issued in one of the more specific and limited specialized science authorizations that were developed in 2003 to provide additional pathway options for individuals with advanced degrees or knowledge in specific science content areas who were primarily interested in teaching that specific content at the high school level.

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*Note: Data include first-time and new type preliminary credentials only; not renewals. Data do not include Intern credentials, permits, or supplementary authorizations. Source: Teacher Supply Report; 2011-2012*

In summary, nearly three-fourths of the science content area credentials were issued in one of the four full science areas that authorize teaching introductory and integrated science in grades K-12. Another one-fifth were in the Foundational-level General Science content area that authorizes introductory and integrated science through grade 8. Less than one-tenth earned a Specialized Science content area authorization that does not authorize teaching introductory or integrated science courses.